

STR

CEPERLEY 09/647,518

=> d his

(FILE 'HOME' ENTERED AT 09:58:50 ON 17 AUG 2001)

FILE 'REGISTRY' ENTERED AT 09:59:01 ON 17 AUG 2001

L1 STR
L2 29 S L1
L3 STR L1
L4 SCREEN 2005
L5 SCREEN 2026 OR 2021 OR 2016 OR 1992
L6 5 S L3 AND L4 NOT L5
L7 4108 S L3 AND L4 NOT L5 FUL 4108 cpds from full file search
SAVE L7 CEP518P/A
L8 2624 S L7 AND NC=1 2624 cpds are homopolymers
L9 12 S L8 AND "LAURYL"
L10 5 S L8 AND "STEARYL"
L11 15 S L8 AND "STEARATE"
L12 12 S L8 AND "LAURATE"
L13 23 S L12 OR L9 > provided d scan of L13 & L14 to ensure that the
L14 19 S L10 OR L11 subtracting lauryl & stearic claims
L15 636 S L7 AND NC=2 out methacrylate are covered
L16 6 S L15 AND "ETHENYL ESTER"
L17 630 S L15 NOT L16
L18 52 S L17 AND "2-PROPENOIC"
L19 578 S L17 NOT L18 578 cpds w/ 2 components
L20 850 S L7 NOT (L15 OR L8)
L21 631 S L20 NOT ("ETHENYL ESTER" OR "2-PROPENOIC") 631 cpds w/ 3 or more components

FILE 'HCAPLUS' ENTERED AT 10:46:34 ON 17 AUG 2001

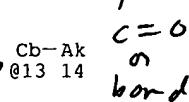
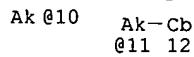
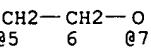
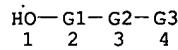
L22 47183 S L8 OR L19 47183 cites for L8 & L19 cpds (covers L22 - 47)
L23 2669 S L22(L) (THU OR BUU)/RL
L24 78 S L22(L) ADJUVANT
L25 371233 S AQUEOUS SOLUTION OR MICEL?
L26 294868 S EMULS? OR VESIC?
L27 4 S L24 AND L25
L28 0 S L27 NOT L27
L29 235 S L22 AND ADJUVANT
L30 20 S L29 AND L25
L31 19 S L30 NOT L26
L32 28278 S LT OR CT OR 3D-MPL OR 3DMPL OR CPG OR QS21
L33 279796 S ANTIGEN? OR IMMUNOSTIM?
L34 1 S L31 AND L32
L35 2 S L31 AND L33
L36 3 S L34-35 3 cites
L37 16 S L31 NOT L36
L38 299332 S VIRUS OR VIRAL? OR VACCIN?
L39 3 S L37 AND L38 3 cites
L40 13 S L37 NOT L39 13 cites
L41 197 S L23 AND L25
L42 162 S L41 NOT L26
L43 1 S L42 AND L32
L44 5 S L42 AND L33
L45 12 S L42 AND L38
L46 16 S L43-45
L47 14 S L46 NOT L31 14 cites L47 cites are related to L25 but are not
L48 461 S L21 3 or more components labelled as adjuvants
L49 0 S L48(L) ADJUVANT
L50 4 S L48 AND ADJUVANT
L51 0 S L50 AND L25
L52 31 S L48 AND L25
L53 29 S L52 NOT L26
L54 2 S L53 AND (L32-33 OR L38) 1 cite
L55 1 S L54 NOT (L31 OR L46)
L56 27 S L53 NOT L54
L57 0 S L56 AND (LAURYL OR LAURIC OR STEARIC OR STEARYL)
L58 5 S L56 AND POLYOXYETHYLENE? 5 cites

FILE 'USPATFULL' ENTERED AT 11:38:35 ON 17 AUG 2001

L59 8382 S L8 OR L19 I did not search the L21 cpds (3 or more
L60 0 S L59(L) ADJUVANT components) since they did not seem promising
in HCAPLUS

L61 721 S L59 AND ADJUVANT
L62 224674 S AQUEOUS SOLUTION OR MICEL?
L63 176291 S EMULS? OR VESIC?
L64 35292 S LT OR CT OR 3D-MPL OR 3DMPL OR CPG OR QS21
L65 41121 S ANTIGEN? OR IMMUNOSTIM?
L66 52450 S VIRUS OR VIRAL? OR VACCIN?
L67 430 S L61 AND L62
L68 99 S L67 NOT L63
L69 20 S L68 AND L64
L70 35 S L68 AND L65-66
L71 39 S L69 OR L70
L72 24 S L71 AND SURFACTANT
L73 6 S L71 AND DETERGENT
L74 28 S L72-73 28 patents

=> d que 122
L3 STR



repeating
unit

G2

↓

✓ G3

REP G1=(1-20) 5-1 7-3

REP G2=(0-1) 8

VAR G3=10/11/13

NODE ATTRIBUTES:

CONNECT IS E1 RC AT 10
 CONNECT IS E2 RC AT 11
 CONNECT IS E1 RC AT 14
 DEFAULT MLEVEL IS ATOM
 GGCAT IS SAT AT 10
 GGCAT IS SAT AT 11
 GGCAT IS MCY UNS AT 12
 GGCAT IS MCY UNS AT 13
 GGCAT IS SAT AT 14
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE

L4 SCR 2005
 L5 SCR 2026 OR 2021 OR 2016 OR 1992
 L7 4108 SEA FILE=REGISTRY SSS FUL L3 AND L4 NOT L5
 L8 2624 SEA FILE=REGISTRY ABB=ON PLU=ON L7 AND NC=1
 L15 636 SEA FILE=REGISTRY ABB=ON PLU=ON L7 AND NC=2
 L16 6 SEA FILE=REGISTRY ABB=ON PLU=ON L15 AND "ETHENYL ESTER"
 L17 630 SEA FILE=REGISTRY ABB=ON PLU=ON L15 NOT L16
 L18 52 SEA FILE=REGISTRY ABB=ON PLU=ON L17 AND "2-PROPENOIC"
 L19 578 SEA FILE=REGISTRY ABB=ON PLU=ON L17 NOT L18
 L22 47183 SEA FILE=HCAPLUS ABB=ON PLU=ON L8 OR L19

Please return all correspondence with marks removed. Thanks

47155

Access DB:

SEARCH REQUEST FORM

RECEIVED

Scientific and Technical Information Center

JUL 19 2001

Requester's Full Name: MOLLY CECERLEK

Examiner #: S47155 (Date: 07/19/01)

Art Unit: 164

Phone Number: 303-237-5259

Serial Number: 62/167542

Mail Box and Bldg/Room Location: CMI - RDS

Results Format Preferred (circle): PAPER DISK E-MAIL

TE/2

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers; and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention:

Inventors (please provide full names):

Point of Contact:

Susan Hanley

Technical Info. Specialist
CMI-12C14 Tel: 305-4053

Earliest Priority Filing Date:

*For Sequence Searches Only: Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search for the VACCINE ADJUVANT of the attached claims.

Please be sure to cover the ethers and esters listed on page

4. The compounds are known. I am looking for their use
as an adjuvant. Please also search the positive and/or negative
in the claims

limitations circled in red. Note that claim 1 reads on a surfactant
in water (I'm interested in any references describing this) for ANY
use.)

Terms:

surfactant

Vesicle

vaccine

emulsion

adjuvant

immunostimulant

polyoxyethylene and [ether or ester]

antigen

micelle

pharmaceutical

aqueous

STAFF USE ONLY

Type of Search

Vendors and costs where applicable

Searcher: Hanley

NA Sequence (#)

STN

Searcher Phone #: Hanley

NA Sequence (#)

Dialog

Searcher Location:

Structure (#)

Questel/Orbit

Date Searcher Picked Up: 8/18/01

Biolographic

Dr. Link

Date Completed: 8/17

Ligation

Lexis/Nexis

Searcher Prep & Review Time:

Fulltext

Sequence Systems

Clerical Prep Time:

Patent Family

WWW/Internet

Online Time:

Other

Other (specify):